

Technical Data Sheet



ALTECH PA66 ECO 2020/116 GF20 IM

Base Polymer	Polyamide 66
Filler/Additive System	20 % glass fibres
Special Features	impact modified,contains recycled material
Market Segment	Automotive,building and construction,various
Application Area	cooling system,filter systems,transport systems,various
Typical Applications	oil pump parts,housing and automotive trim unpainted,various

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content 0,15 % max. moisture content
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Processing Injection Moulding	melt temperature 280-300 °C mould temperature 80-120 °C
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Storage	dry, protected from light
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	6000	MPa	ISO 178
Flexural Strength	180	MPa	ISO 178
Tensile Modulus	6500	MPa	ISO 527
Tensile Strength at Break	130	MPa	ISO 527
Tensile Elongation at Break	3	%	ISO 527
Impact Strength (Charpy, 23°C)	35	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	4	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	225	°C	ISO 75-1/-2
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.4 - 0.6	%	ISO 294-4
Shrinkage (lateral, 24h)	0.8 - 1	%	ISO 294-4
Physical Properties			
Density	1250	kg/m ³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	0.64	kg CO ₂ eq./kg	ISO 14040, 14044
Flammability			
Flammability (3.0 mm)	HB	class	UL 94